

TOSHIBA CMOS DIGITAL INTEGRATED CIRCUIT SILICON MONOLITHIC

TC90A49P, TC90A49F

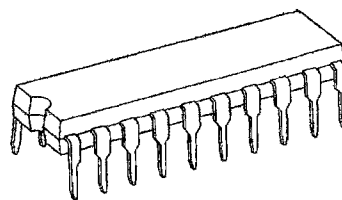
LINE DIGITAL Y / C SEPARATOR IC (MULTICOLOR TYPE)

The TC90A49P / F is a 3-line digital Y / C
luminance / chrominance separation IC for PAL, NTSC,
M-PAL and N-PAL format.

FEATURES

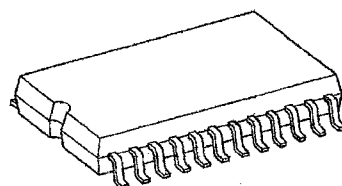
TV format : NTSC (3.58), PAL, M-PAL, and N-PAL
Dynamic comb filter
Vertical edge enhancement circuit
PLL 8 × multiplier circuit
Internal 8-bit 4 fsc AD converter
Internal 8-bit precision 8 fsc DA converter (2 ch)
Sync tip clamp circuit
Internal 4H-line memory
I²C bus interface
Package : DIP 20-pin and SOP 24-pin
5 V single power supply

TC90A49P



DIP20-P-300-2.54A

TC90A49F



SOP24-P-450-1.27B

Weight

DIP20-P-300-2.54A : 1.11 g (Typ.)

SOP24-P-450-1.27B : 0.44 g (Typ.)

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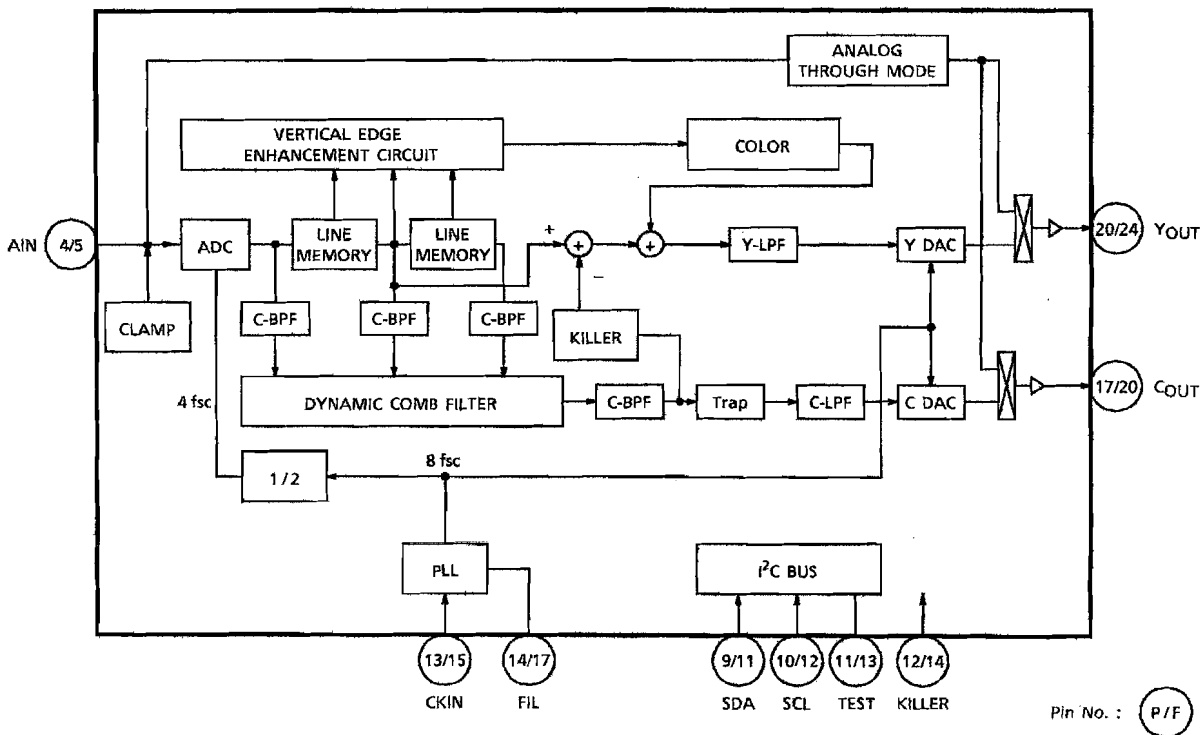
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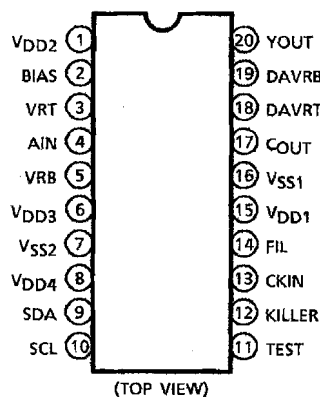
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BLOCK DIAGRAM

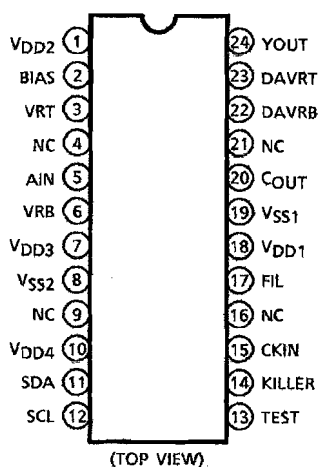


PIN ASSIGNMENT

TC90A49P



TC90A49F



The NC which was writing in PIN ASSIGNMENT must use the open condition.